



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-3406 FAX (603) 271-7894



May 14, 2002
Letter of Deficiency
DAM #094.07

Mr. Dave Patry
Town of Gorham
8 Main Street
Gorham, NH 03581

RE: Icy Gulch Dam, Gorham

Dear Mr. Patry:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on October 26, 2000 and May 7, 2002. During this visual inspections and/or file review, the following deficiencies were observed:

1. There was leakage along the horizontal construction joint, approximately 7' below the top of the dam and approximately 3 feet to the left of the low level outlet. This leakage has been present since 1942;
2. The concrete surface on the crest of the left abutment wall and on a portion of the wall below the construction joint is deteriorated and spalled;
3. There was minor efflorescence along the horizontal joints of the concrete spillway;
4. The concrete crest of the spillway was deteriorated and uneven;
5. There were trees and brush along the right earthen abutment;
6. There is no operation and maintenance plan (O&M) on file for the dam; and
7. The Emergency Action Plan (EAP) is in need of updating and testing.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

July 1, 2002:

1. Remove trees and brush along the right earthen abutment;
2. Complete an O&M plan. Refer to the enclosed guidelines;
3. Update the EAP and perform the required annual test of emergency notification flowchart;

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November 1, 2002:

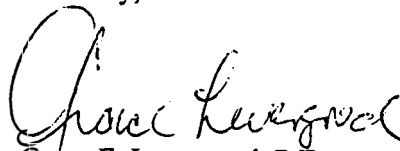
4. Investigate the source of the leakage along the horizontal construction joint, approximately 7' below the top of the dam and approximately 3 feet to the left of the low level outlet. Develop and submit to DES a plan to address this reoccurring deficiency;
5. Repair the concrete surface on the crest of the left abutment wall and on a portion of the wall below the construction joint that is deteriorated and spalled; and
6. Repair the concrete crest of the spillway that is deteriorated and uneven.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,


Grace E. Levergood, P.E.
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13
cc: Gretchen Rule
Certified # 7099 3400 0002 9773 7511
GEL/was/h/safety/wendy/lod/094-07lod.doc